Espresso Bar

HL 3844/N

Service
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Philips Domestic Appliances and Personal Care

ServiceManual

MSH coding HL 3844

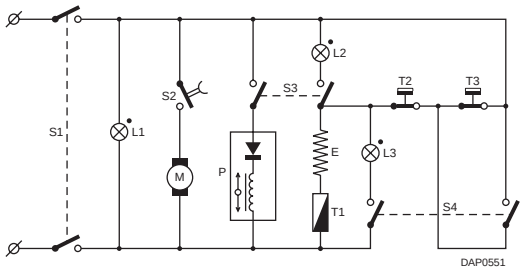
PRODUCT INFORMATION

Voltage	:	220-230 V
Frequency	:	50 Hz
Power consumption	:	1300 W
Coloursetting	:	black

REPAIR INSTRUCTIONS

1. Descaling

Operate the appliance twice in the same way as making Espresso, but fill the watertank with vinegar or a 10-15% solution of either vinegar-acid, citric acid or tartaric acid in cold tap water.
To remove scale that has set in the inside of the steam pipe, let the appliance produce steam for some time.
For persistent scale interrupt the descaling procedure once or twice after pumping and steaming hot vinegar and let the vinegar act on the scale for at least half an hour. Continue the procedure. Clean the outlet plate (item 8)
After the descaling procedure, operate the espresso machine twice with tap water in order to rinse away any residual substances.



2. Circuit Diagram

S1 : Main switch (33) on. Red lamp (33) L1 will go on.
S2 : Coffeemill switch (41).
S3 : Pump switch for making coffee (34).
S4 : Switch for making steam (35).
L1 : Signal lamp (33) will light up when mains switch is activated.
L2 : Signal lamp (34) will light up when making espresso coffee.
L3 : Signal lamp (25) will light up when making steam.
T1 : Fuse (23) 215°C
T2 : Thermostat (10) 90°C
T3 : Thermostat (22) 125°C
M : Coffeemill (9).
P : Pump for making espresso (38).
E : Element inside the boyler for the heating process (14).
Note: Figures ( ) refer to items in the exploded view drawing.

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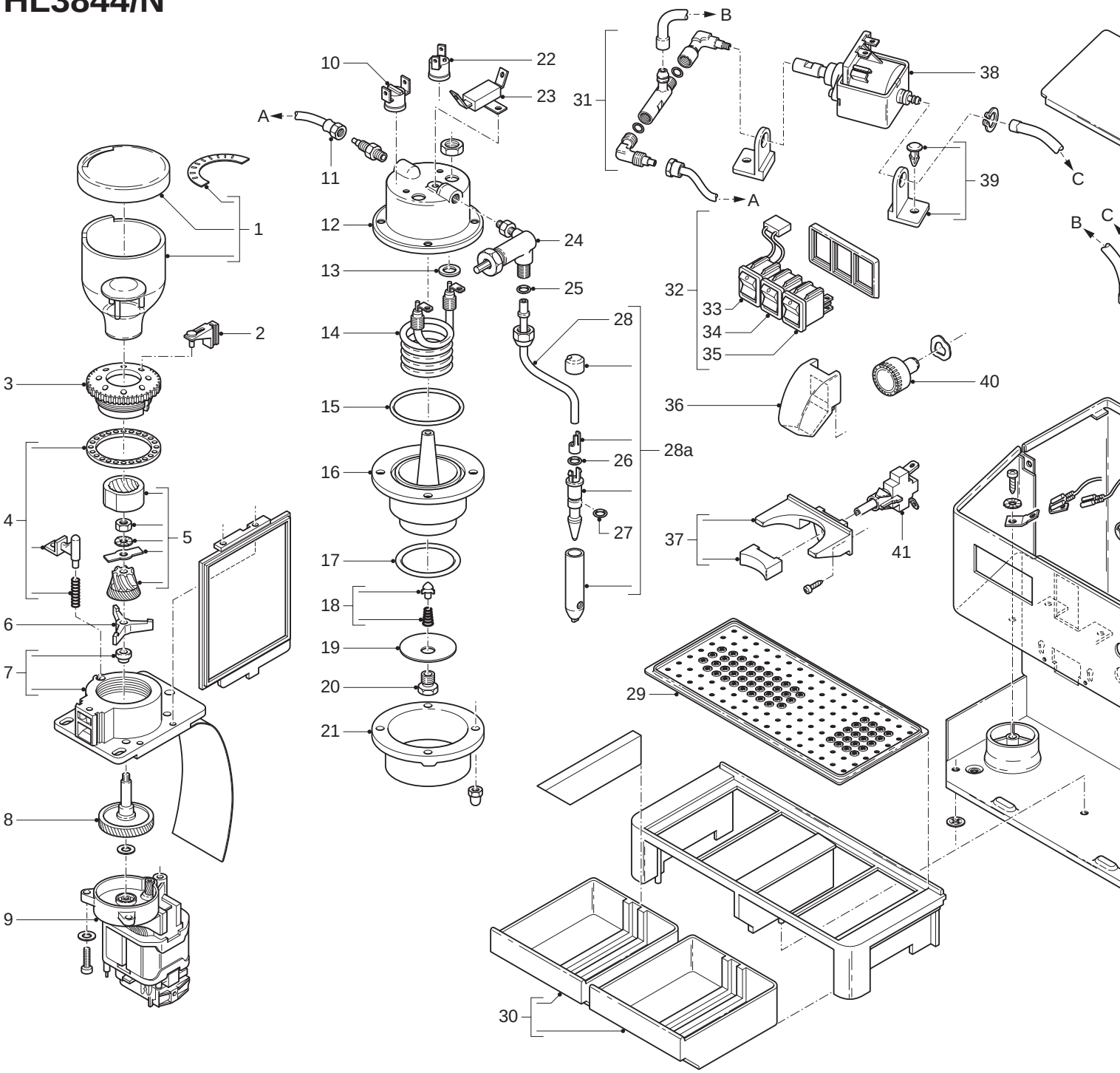
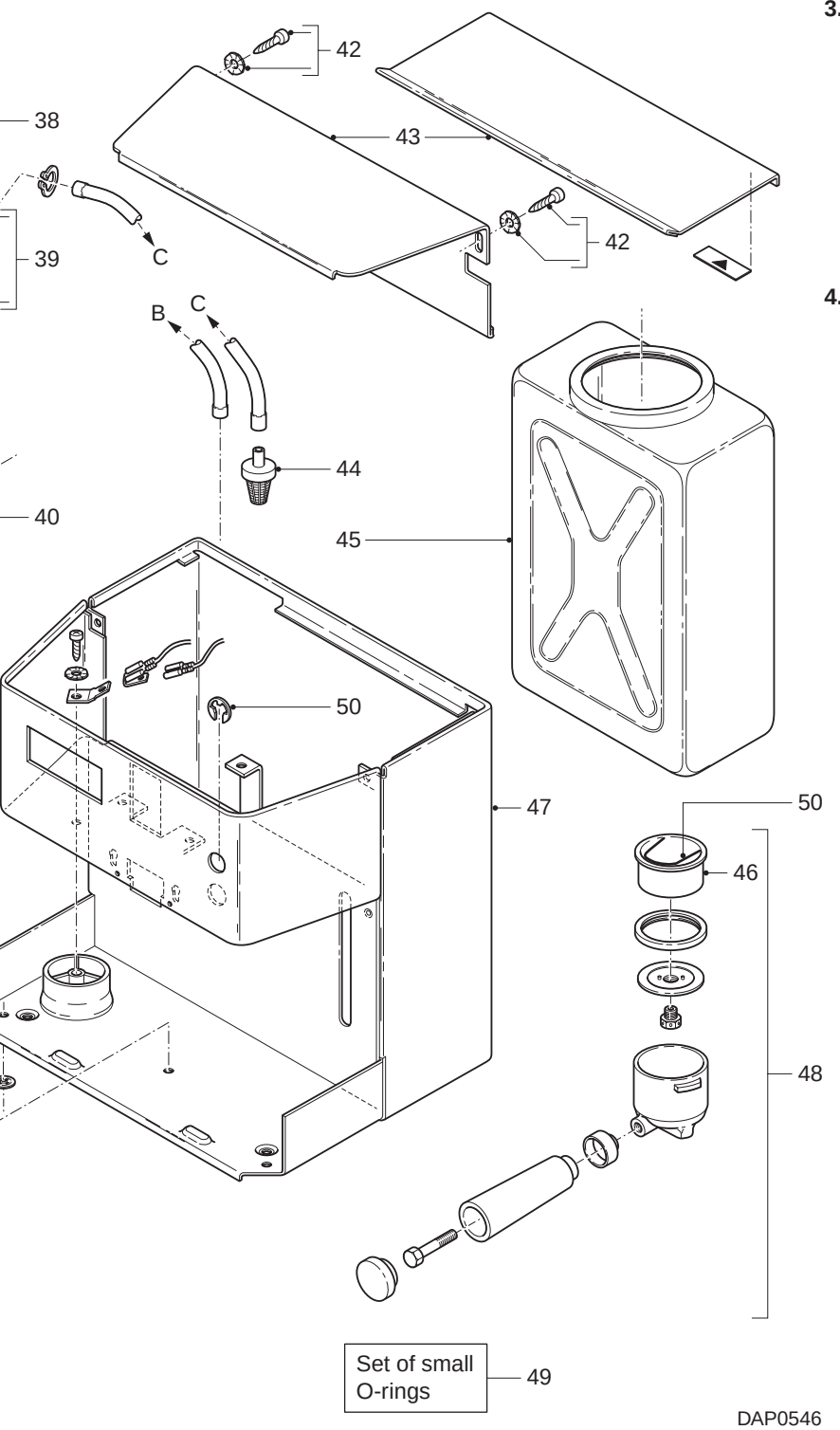


1	4822 690 10179	Mill unit item 1+3+5		14	4822 259 10198	Element 1300W	220-230V	28	48
2	4822 410 12065	Adjusting piece		15	4822 532 12534	Sealing ring	Ø 75 x Ø 3 mm	28a	48
3	4822 690 10179	Mill unit item 1+3+5		16	4822 418 10194	Boiler part lower		29	48
5	4822 690 10179	Mill unit item 1+3+5		17	4822 532 12537	Sealing ring	Ø 61 x Ø 5 mm	30	48
6	4822 395 10266	Star		18	4822 360 10418	Combin. valve + spring		31	48
7	4822 690 10178	Lower mill part		19	4822 480 10097	Sprinkler		32	48
8	4822 522 10552	Helical gear		20	4822 530 10287	Sprinkler nut		33	48
9	4822 361 10862	Motor unit	220-230V	21	4822 418 10193	Bush for filter holder		34	48
10	4822 282 10289	Thermostat	90°C 220-230V	22	4822 282 10288	Thermostat	125°C 220-230V	35	48
11	4822 530 10505	Tube in meters		23	4822 252 11346	Fuse	215°C 220-230V	36	48
12	4822 418 10195	Boiler part upper		24	4822 535 10303	Steam cock unit		38	48
13	4822 532 12535	Silicon ring		25	4822 532 12533	Ring	Ø 10 x Ø 2 mm	39	48



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3. Dismantling the aplliance (item 43 + 47)

To dismantle the appliance the two "Torx" screws 42 have to be loosened. The suitable "Torx" screwdriver can be ordered from Consumer Service under number 4822 395 50449.

Warning:
After repair, do not forget to mount the knurled rings 42, to assure a correct and save earthing.

4. Detaching steam device (28) and steam knob (40)

In these cases the cover plate (43) has to be detached, to reach the inside engineering. To replace the steam knob (40), moreover the retaining washer (50) has to be removed.

0-230V	28	4822 530 10286	Steaming tube	
3 mm	28a	4822 360 10419	Steaming device compl.	
	29	4822 466 12059	Drip tray metal	
5 mm	30	4822 418 10378	Container	
	31	4822 535 10302	Deairing unit	
	32	4822 277 11819	Switch unit item 32+33+34+35	
	33	4822 277 11819	Switch unit item 32+33+34+35	
	34	4822 277 11819	Switch unit item 32+33+34+35	
0-230V	35	4822 277 11819	Switch unit item 32+33+34+35	
0-230V	36	4822 462 10759	Spout	
	38	4822 360 10258	Pump	220-230V
2 mm	39	4822 402 11173	Pump supp. + fixing part	
	40	4822 410 10529	Selector knob	
	41	4822 276 14019	Switch for coffeemill	
	44	4822 480 10234	Water filter	
	45	4822 418 10379	Water container	
	46	4822 480 10098	Filter	1 kops
		4822 480 10099	Filter	2 kops
	48	4822 480 10101	Filterholder + filter	
	49	4822 530 10299	Set of small rings	
	50	4822 492 11165	Spring	